

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1617	382/298,299.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/13 18:05
L2	6928	358/1.2,1.9,3.12,3.03.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/13 18:05
L3	8385	L1 or L2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/13 18:05
L4	19	3 and (shift\$3 (pixel or pel) neighbor\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2008/02/13 18:08
L5	16	("4790028"   "5319383"   "5513120"   "5701138"   "5886682"   "5937108").PN. OR ("6178272"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/13 18:14
L6	2	3 and (exchang\$3 (pixel or pel) neighbor\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2008/02/13 18:18
L7	4	3 and ((exchang\$3 or swap\$4 or shuffle or interchang\$3) (pixel or pel) neighbor\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2008/02/13 18:20

## EAST Search History

L8	5	3 and ((exchang\$3 or swap\$4 or shuffle or interchang\$3) (pixel or pel) (vector or matrix))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2008/02/13 18:25
L9	26348	halftone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/13 18:41
L10	7371	error adj1 diffusion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/13 18:41
L11	2551	L9 and L10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2008/02/13 18:41
L12	5	11 and ((exchang\$3 or swap\$4 or shuffle or interchang\$3) (pixel or pel) neighbor\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2008/02/13 18:42
L13	7	9 and ((exchang\$3 or swap\$4 or shuffle or interchang\$3) (pixel or pel) neighbor\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2008/02/13 18:48
L14	3	11 and ((exchang\$3 or swap\$4 or shuffle or interchang\$3) (pixel or pel) (vector or matrix))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2008/02/13 18:49

## EAST Search History

S1	1615	382/298,299.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/11 19:20
S2	6920	358/1.2,1.9,3.12,3.03.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/11 19:20
S3	8375	S1 or S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/11 19:21
S4	38	S3 and ((pel or pixel) adj1 (repeat\$3 or repetition))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/11 19:25
S5	9	S4 and halftone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/11 19:29
S6	23358	(scaling or zoom\$3) near3 (image or picture)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/11 19:40
S7	26324	halftone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/11 19:41

## EAST Search History

S8	7367	error adj1 diffusion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/11 19:41
S9	171	S6 and S7 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/11 19:41
S10	61	("3976982"   "4129860"   "4302776"   "4503469"   "4532602"   "4587621"   "4610026"   "4616268"   "4636869"   "4656467"   "4665551"   "4712140"   "4764975"   "4829587"   "4831659"   "4872064"   "4907171").PN. OR ("5097518").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/11 19:51
S11	4	S10 and (threshold and shift\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/11 19:56
S12	0	S10 and average near3 intensit\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/11 19:57
S13	39	S10 and resolution	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/11 19:57
S14	23373	(scaling or zoom\$3) near3 (image or picture)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 09:12
S15	26348	halftone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 09:12

## EAST Search History

S16	7371	error adj1 diffusion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 09:12
S17	172	S14 and S15 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 09:12
S18	2189827	(average or mean)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 09:34
S19	447	S14 same S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 09:35
S20	9	S19 and S15 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 09:35
S21	80436	(average or mean)(pixel\$3 or pel or intensity or contrast)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2008/02/12 09:41
S22	339	S16 same S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2008/02/12 09:41

## EAST Search History

S23	9	S14 and S15 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2008/02/12 09:41
S24	61	("5363213").URPN.	USPAT	OR	OFF	2008/02/12 12:52
S25	30	S24 and (shift\$3 near3 (matrix or pixel or pel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 12:53
S26	23373	(scaling or zoom\$3) near3 (image or picture)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 12:57
S27	977	S26 and (shift\$3 near3 (matrix or pixel or pel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 12:57
S28	7	S27 and halftone and error diffusion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	OFF	2008/02/12 12:58
S29	1617	382/298,299.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 13:38
S30	6928	358/1.2,1.9,3.12,3.03.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 13:38

## EAST Search History

S31	8385	S29 or S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 13:38
S32	64	S31 and (shift\$3 near3 (matrix))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/12 13:38
S33	6	("4912668"   "5274449"   "5442399"   "5572236"   "5774206"   "6452969").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/12 14:43
S34	2	"20050200897"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/13 16:23